

**TETRA TECH, INC.**

4213 State St., Suite 205
 Santa Barbara, CA 93101
 Telephone (805) 681-3100
 FAX (805) 631-3108

Project: **Vandenberg Air Force Base**Log of Well No. **7-MW-6**
 Location: **OU5, Site 7, Bear Creek Canyon, approx. 5000 ft southeast
 of intersection of Bear Creek Canyon and Surf Rd.**
Date Started: **7/14/94** Completed: **7/18/94**Logged By: **J. Rohrer** Checked By: **R. Horwath, RG**Drilled By: **T. De Vires, Layne Env.**Drilling Equipment: **CME 750, HSA**Sampling Equipment: **2" ID Split-spoon**GS Elev.: **187.0** ft above MSL TD: **43.0** ft bgs4" PVC Blank Casing: from **0** ft bgs to **15.5** ft bgs.010 " Screened Casing: from **15.5** ft bgs to **35.5** ft bgsBentonite/Cement Grout: from **1.5** ft bgs to **10.5** ft bgsBentonite Transition Seal: from **10.5** ft bgs to **12.5** ft bgs2/12 Sand Filter Pack: from **12.5** ft bgs to **37** ft bgsTOC Elev.: **189.43** ft above MSL

Depth (ft bgs)	DESCRIPTION	Graphic/ USCS	Well Construction	Sample Blow Counts Per 6"	Percent Recovery	PID(ppm) Amb/Smp	REMARKS
	<u>sand-silty sand</u> dark yellowish brown (10YR 3/4), fine grained, minor silt, trace gravel, moderately sorted, subangular to rounded, moderate iron staining, loose, moist, alluvium.	SP-SM		2 2 3	100	0/0	Start 1425. Sample V7MW6-0 sent for chemical tests.
5	<u>silty sand</u> dark brown (7.5YR 3/2), fine to medium grained, trace coarse grained, moderately sorted, subangular to rounded, moderate iron staining, medium dense, very moist, alluvium.	SM		4 8 12	83	0/0	Sample V7MW6-5 sent for chemical tests.
10	<u>clayey sand</u> (7.5YR 2.5/1), fine grained, poorly sorted, subangular to rounded, dark staining, very loose, wet, alluvium.	SC		1 1 1	56	0/0	Sample V7MW6-10 sent for chemical tests.
15				1 1 1	0	-	No recovery.
	<u>silty sand</u> dark brown (7.5YR 3/2), fine grained, moderately sorted, subangular to rounded, moderate iron staining, medium dense, wet, alluvium.	SM		5 2	100	0/0	Start of PVC vee-wire screen.

10.0 ft bgs ▾ Groundwater depth during drilling

6.3 ft bgs ▾ Groundwater depth after well development on:

TC Number: **7301-11****TETRA TECH, INC.**

Continued Next Page

Page 1 of 2

**TETRA TECH, INC.**

4213 State St., Suite 205
Santa Barbara, CA 93101
Telephone (805) 681-3100
FAX (805) 631-3108

Project: **Vandenberg Air Force Base**
Log of Well No. **7-MW-6**

Location: **OU5, Site 7, Bear Creek Canyon, approx. 5000 ft southeast of intersection of Bear Creek Canyon and Surf Rd.**

Depth (ft bgs)	DESCRIPTION	Graphic/ USCS	Well Construction	Sample	Blow Counts Per 6"	Percent Recovery	PID(ppm) Amb/Smp	REMARKS
	<u>silty sand</u> dark brown (7.5YR 3/2), fine grained, moderately sorted, subangular to rounded, moderate iron staining, medium dense, wet, alluvium.	SM			7			Sample V7MW6-20 sent for chemical tests.
25	<u>gravelly sand-silty sand</u> reddish brown (5YR 4/4), fine to coarse grained, fine to coarse gravel, moderate silt, poorly sorted, subangular to rounded, moderate iron staining, medium dense, wet, alluvium.	SW-SM			2 2 4	100	0/0	
30	<u>gravelly sand</u> reddish brown (5YR 4/4) fine to coarse gravel and sand, trace silt, poorly sorted, subangular to rounded, moderate iron staining, medium dense, moist, alluvium.	SW			4 9 11	100	0/0	Sample V7MW6-30 sent for physical tests.
35	<u>clayey sand</u> very dark grayish brown (10YR 3/2), minor silt, moderately sorted, subangular to rounded, moderate iron staining, very loose to loose, very moist, alluvium.	SC			4 5 6 1	56 25	0/0	Sample V7MW6-35 sent for chemical tests.
						22		TD of 12" auger = 37'.
40	<u>clay</u> black (5Y 2.5/1), fine grained, moderate sand, subrounded to rounded, stiff, very moist, alluvium.	CL			3 4 4 4			
	<u>gravelly sand</u> dark yellowish brown (10YR 3/4), fine to coarse grained sand, minor fine gravel and silt, subangular to rounded, slight iron staining, loose, moist, alluvium.	SW			3 4 4		0/0	TD of 8" auger = 43'.
	<u>clay</u> black (7.5YR 2.5/1), trace coarse grained gravel, medium plasticity, stiff, alluvium.	CL			4			End 1100.
								NOTE: Set bentonite plug from 43' to 38'.